

Probes and primers for identification of Mycobacterial protein useful as potential drug targets

- This kit comprising of probes and primers is useful for drug targeting genes in the leprosy genome on the basis of their over expression during the active stage of disease in the human.
- These gene targets are used to find out the bacterial specific blocker to act as bactericidal drug by in-silico proteomic approaches (protein modeling and chemical database search).
- **Milestone achieved:**
 - ***IP status:*** An Indian patent has been granted and patent number is 280840.
 - ***USP of technology:***
 - a. Technology can be used for gene expression analysis using Microarray or quantitative PCR assay.
 - b. Gene targets could have broader application for drug development for tuberculosis and other mycobacterial diseases.
- Technology was developed at National JALMA Institute for Leprosy & Other Mycobacterial Diseases Agra.
- ICMR is seeking potential collaborators for the validation of technology.